



CSH  
UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

OCTOBER 31, 2001 NOV 8 2001

PTAS  
TOWNSEND AND TOWNSEND AND CREW LLP  
CHAD S. HILYARD  
TWO EMBARCADERO CENTER, 8TH FLOOR  
SAN FRANCISCO, CALIFORNIA 94111-3834



\*101828158A\*

RCC

06747078 00US

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/16/2001

REEL/FRAME: 012107/0970  
NUMBER OF PAGES: 8

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
SAULSBURY, ASHLEY

DOC DATE: 08/03/2001

RECEIVED

AUG 04 2004

ASSIGNOR:  
PARKIN, MICHAEL

DOC DATE: 06/09/2001

ASSIGNOR:  
RICE, DANIEL S.

DOC DATE: 06/13/2001

Technology Center 2100

ASSIGNEE:  
SUN MICROSYSTEMS, INC.  
901 SAN ANTONIO ROAD, M/S UPAL1-  
521  
PALO ALTO, CALIFORNIA 94303

FILING DATE: 03/08/2001  
ISSUE DATE:

SERIAL NUMBER: 09802108  
PATENT NUMBER:

012107/0970 PAGE 2

KIMBERLY WHITE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS





1. Additional name(s) of conveying party(ies):  
(Continued from Page 1)

Michael Parkin  
Daniel S. Rice

2. Additional name(s) and address(es) of receiving party(ies):  
(Continued from Page 1)

3. Additional application number(s) or patent number(s):  
(Continued from Page 1)

A. Patent Application No.(s)

B. Patent No.(s)

DE 7047847 v1

RECEIVED  
AUG 04 2004  
Technology Center 2100



Attorney Docket No.: 16747-017800US  
Client Reference No.: P6096NP

## ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Ashley Saulsbury, of 18488 Grizzly Rock Road, Los Gatos, CA, 95033, Michael Parkin, of 4277 Mackay Drive, Palo Alto, CA 94306, and Daniel S. Rice, of 5838 Birch Court, #F, Oakland, CA 94618, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Computer Processing Architecture Having a Scalable Number of Processing Paths and Pipelines

Date(s) of execution of Declaration: August 3, 2001

RECEIVED

AUG 04 2004

Filing Date: March 8, 2001

Technology Center 2100

Application No.: 09/802,108; and

WHEREAS, Sun Microsystems, Inc., of 901 San Antonio Road, M/S UPAL1-521, Palo Alto, CA, 94303, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 8/3/2001

A Saulsbury  
Ashley Saulsbury

Dated: \_\_\_\_\_

Michael Parkin

Dated: \_\_\_\_\_

Daniel S. Rice

DE 7034996 v1



Attorney Docket No.: 16747-017800US  
Client Reference No.: P6096NP

## ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Ashley Saulsbury, of 18488 Grizzly Rock Road, Los Gatos, CA, 95033, Michael Parkin, of 4277 Mackay Drive, Palo Alto, CA 94306, and Daniel S. Rice, of 5838 Birch Court, #F, Oakland, CA 94618, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Computer Processing Architecture Having a Scalable Number of Processing Paths and Pipelines

Date(s) of execution of Declaration: June 9, 2001

RECEIVED

AUG 04 2004

Filing Date: March 8, 2001

Technology Center 2100

Application No.: 09/802,108; and

WHEREAS, Sun Microsystems, Inc., of 901 San Antonio Road, M/S UPAL1-521, Palo Alto, CA, 94303, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

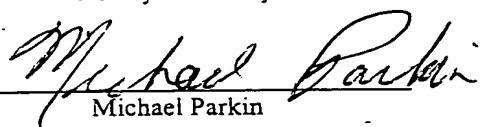
Assignment  
Attorney Docket No.: 16747-017800US  
Page 2

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: \_\_\_\_\_

Ashley Saulsbury

Dated: 6/9/01

  
Michael Parkin

Dated: \_\_\_\_\_

Daniel S. Rice

DE 7034996 v1



Attorney Docket No.: 16747-017800US  
Client Reference No.: P6096NP

## ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Ashley Saulsbury, of 18488 Grizzly Rock Road, Los Gatos, CA, 95033, Michael Parkin, of 4277 Mackay Drive, Palo Alto, CA 94306, and Daniel S. Rice, of 5838 Birch Court, #F, Oakland, CA 94618, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Computer Processing Architecture Having a Scalable Number of Processing Paths and Pipelines

Date(s) of execution of Declaration: June 13, 2001

**RECEIVED**

AUG 04 2004

Filing Date: March 8, 2001

Technology Center 2100

Application No.: 09/802,108; and

WHEREAS, Sun Microsystems, Inc., of 901 San Antonio Road, M/S UPAL1-521, Palo Alto, CA, 94303, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

Assignment  
Attorney Docket No.: 16747-017800US  
Page 2

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: \_\_\_\_\_

Ashley Saulsbury

Dated: \_\_\_\_\_

Michael Paulin

Dated: 6/13/2001

Daniel S. Rice

DE 7034996 v1



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JANUARY 27, 1997

PTAS

TOWNSEND AND TOWNSEND AND CREW LLP  
PAUL C. HAUGHEY  
TWO EMBARCADERO CENTER, 8TH FLOOR  
SAN FRANCISCO, CA 94111-3834



\*100310439A\*

RECEIVED

AUG 04 2004

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT  
Technology Center 2100

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/19/1996

REEL/FRAME: 8233/0306

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:

PARADY, BODO

DOC DATE: 09/13/1996

ASSIGNEE:

SUN MICROSYSTEMS, INC.  
2550 GARCIA AVENUE  
MOUNTAIN VIEW, CALIFORNIA 94043

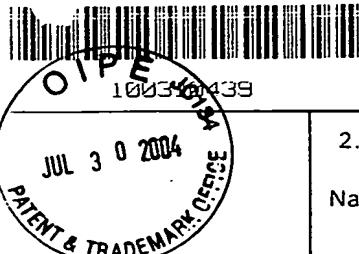
SERIAL NUMBER: 08675628

FILING DATE: 07/01/1996

PATENT NUMBER:

ISSUE DATE:

KEITH GOODE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

FORM PTO-1595  
(Rev. 6-93)

COVER SHEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Asst. Comr.

Attached original documents or copy thereof. *A/D*

## 1. Name of conveying party(ies):

Bodo Parady

Additional name(s) of conveying party(ies) attached?  Yes  No

## 3. Nature of conveyance:

<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name
<input type="checkbox"/> Other:	

Execution Date: September 13, 1996

## 2. Name and address of receiving party(ies):

Name: Sun Microsystems, Inc.

Internal Address: n/a

Street Address: 2550 Garcia Avenue

City: Mountain View

State: CA ZIP: 94043

RECEIVED

AUG 04 2004

Technology Center 2100

Additional name(s) & address(es) attached?  Yes  No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: n/a

A. Patent Application No.(s) 08/675,628

B. Patent No.(s) n/a

Additional numbers attached?

 Yes  No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Paul C. Haughey  
 TOWNSEND and TOWNSEND and CREW LLP  
 Two Embarcadero Center, 8th Floor  
 San Francisco, California 94111-3834  
 (415) 326-2400

6. Total number of applications and patents involved:  1

7. Total fee (37 CFR 3.41): \$ 40.00

<input type="checkbox"/> Enclosed	<input checked="" type="checkbox"/> Charge Fees to Deposit Account
<input checked="" type="checkbox"/> Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account	

8. Deposit account number: 20-1430

P 30014 09/25/96 08675628

20-1430 030 581  
DO NOT USE THIS SPACE

40.00CH

## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Paul C. Haughey

Name of Person Signing

Signature

September 16, 1996

Date

Atty. Reg. No. 31,836

Total number of pages including cover sheet, attachments, and document:  310. Change Correspondence Address to that of Part 5?  Yes  No

OMB No. 0651-0011 (exp. 4/94)

Mail documents to be recorded with required cover sheet information to:

Do not detach this portion

Asst. Commissioner for Patents  
Box Assignments  
Washington, D.C. 20231



Attorney Docket No. 016747-005000/P1723

## ASSIGNMENT OF PATENT APPLICATION

SOLE

WHEREAS, **Bodo Parady** of 116 Gatetree Court, Danville, California 94526, hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below identified application for United States Letters Patent:

Title of the Invention: PROCESSOR ARCHITECTURE WITH INDEPENDENT OS RESOURCES

Date of execution of Declaration: 12 Sept 6 76 **RECEIVED**

Filing date: July 1, 1996

AUG 04 2004

Serial No.: 08/675,628; and

Technology Center 2100

WHEREAS, **Sun Microsystems, Inc.** a Delaware corporation, located at 2550 Garcia Avenue, Mountain View, California 94043-1100, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b)

execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: 13 Sept 96



**Bodo Parady**